

## Letter from Alexander Graham Bell to Mabel Hubbard Bell, January 5, 1892, with transcript

ALEXANDER GRAHAM BELL TO MABEL (Hubbard) BELL Beinn Bhreagh, C. B. Jan. 5th, 1892. Tuesday. JOURNAL My darling wife:

Nothing new — sheep seem to have stopped coming here. Will probably leave here next Monday or Tuesday for Washington. Directors meeting A.A.P.T.S.D. — Jan 17th, Washington — sail New York Jan. 23rd.

Tried new flying machine with wings six feet across. Can't get up pressure enough in boiler to give a fair test. Moment pressure rises a little — solder gives way somewhere and boiler leaks. Tried three differently sized nozzles today.

(1) 235/10000 of inch diameter gave 36 rotations per minute — velocity 648 feet per minute.

(2) 365/10,000 of inch diameter gave 39 rotations per minute — velocity 702 feet per minute.

(3) 1500/10,000 of inch diameter gave  $7\frac{1}{2}$  rotations per minute — velocity 135 feet per minute.

Will try a few experiments upon nozzles and inclination of wings — and then try to buy a suitable boiler in Boston — and invite Prof. Langley to see experiments at the lab.

Mr. McCurdy has succeeded in getting good positives on glass — of kodac negatives. They came out well with the magic lantern. Grand entertainment to be given at warehouse on Saturday.

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No letters from you yet. My only consolation is that I know your letters are on the way. Do hope you will all keep well — Won't be long now before I join you. George and Susie are spending a few days here. Had a grand musical evening with 2 them tonight. At conclusion of performance found I had an audience of seven people from the kitchen — seated in a semi-circle like a negro minstrel troupe.

Your loving, Alec.